ACP-GM45DS

Intel® GM45 socket µFC-PGA Core™ Duo / Core™ Solo/Core™ 2 Duo Mini ITX Main Board

Quick Installation Guide

Packing List

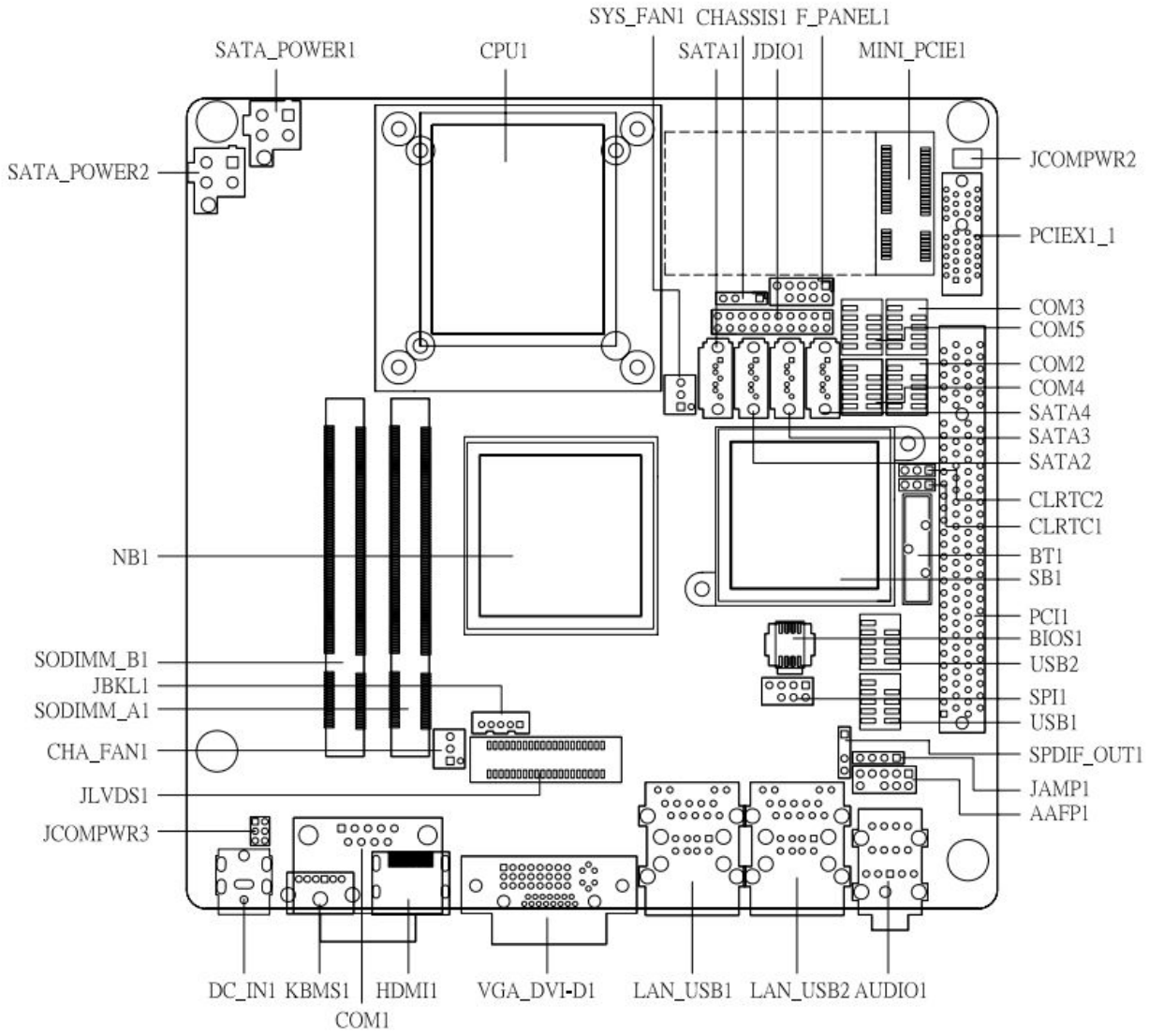
Before you begin installing your single board, please make sure that the following parts have been shipped.

- 1 x Intel GM45 Mini ITX Main board
- 1 x CD-ROM contains the followings:
  - User's Manual in PDF file
  - Drivers
- 2 x COM cable
- 2 x SATA cable
- 1 x Dual SATA Power Cable
- 1 x I/O Shield
- 1 x Startup Manual

Disclaimer and Notice

The manufacturer reserves the right to make changes, without notice, to any product, including circuits and/or software described or contained in this manual in order to improve design and/or performance. The manufacturer assumes no responsibility or liability for the use of the described product(s), conveys no license or title under any patent, copyright, or masks work rights to these products, and makes no representations or warranties that these products are free from patent, copyright, or mask work right infringement, unless otherwise specified. For the detail product information, please refer to user's manual.

Product Overview



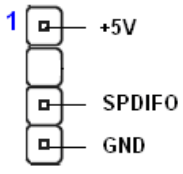
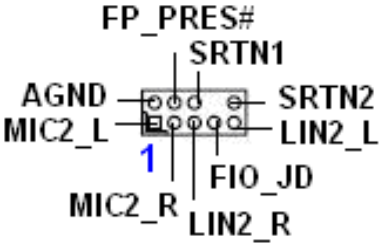
Specifications

System

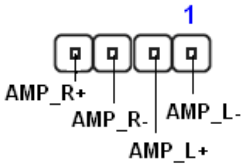
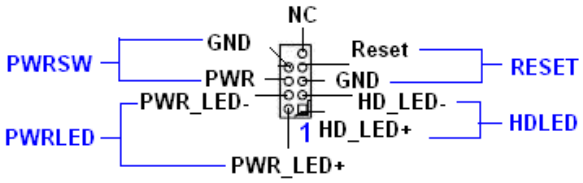
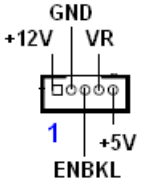
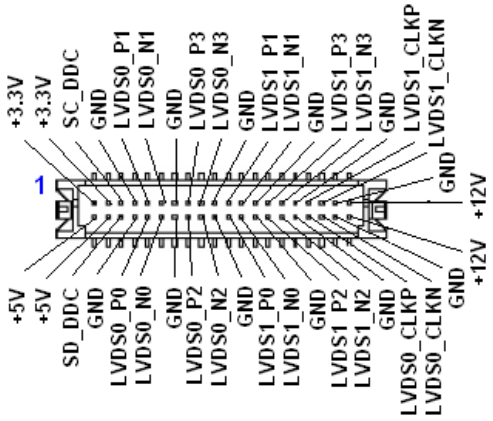
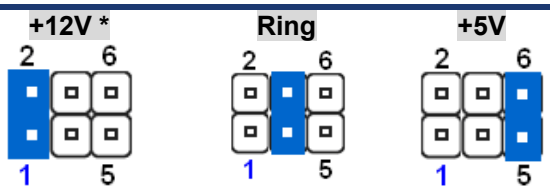
CPU	Supports Intel® socket P Core™ 2 Duo / Core™ Duo / Core™ 2 Solo / Core™ Solo mobile CPU with 45nm process technology
FSB	667/800/1066 MHz
BIOS	Award 4Mb SPI BIOS
System Chipset	Intel® GM45/ICH9M-E
I/O Chipset	Winbond W83627DHG-A + Fintec 81216G
Memory	2 x 200-pin SODIMM socket supports up to 8GB Dual channel DDR2 533/667 SDRAM
CompactFlash	One CompactFlash Type I/II socket (optional)
Watchdog Timer	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
H/W Status Monitor	Monitoring CPU temperature, voltage, and cooling fan status. Auto throttling control when CPU overheats
Expansion Slots	1 x Mini PCIe, 1x PCIex1, 1 x PCI 2.3
S3	S3 Support
SmartFan Control	Yes

I/O	
MIO	4 x SATA II, 5 x RS-232 (2 x powered COM, 5V/ 12V), 1 x PS/2 KB/MS
USB	8 x USB 2.0 ports
DIO	16-bit General Purpose I/O for DI and DO
Display	
Chipset	Intel® GM45 Integrated Graphics Media Accelerator 4500MHD
Display Memory	Intel® DVMT 5.0 supports 384 MB video memory
Resolution	2048 x 1536 @ 75MHz
Dual Display	VGA+HDMI, LVDS+HDMI, VGA+DVI, LVDS+DVI, VGA+LVDS
LVDS	Dual-channel 18/24-bit LVDS
DVI	Chrontel CH7318C DVI transmitter up to 165M pixels/second
HDMI	1 x External Port (HDMI 1.3)
Audio	
Audio Codec	Realtek ALC888 Audio Codec 5.1+2 CH. with two independent audio stream
Audio Interface	Mic in, Line in, Line out
Audio Amplifier	TPA3005D2 Stereo 5Watt per channel
Ethernet	
LAN1	Intel® 82567LM Gigabit Ethernet Controller
LAN2	Intel® 82574L PCI-E Gigabit Ethernet Controller (optional)

Jumpers

Label	Function	Note
CLRTC1	Clear CMOS	Normal * Clear CMOS
SPDIF_OUT1		
AAFP1	Front Panel Audio Connector	

Connectors

Label	Function	Note
JAMP1	Amplifier Connector	
Panel1	System Panel Connector	
JBKL1	LCD Inverter Connector	
JLVDS1	LVDS Connector	
COMPWR1 COMPWR2	COM1, COM2 RI/+5V/+12V Selection	
COM23 COM45	COM Connector